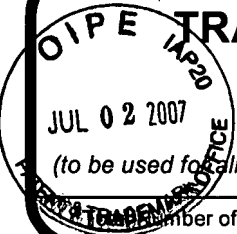


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 TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	10/533,748
		Filing Date	4 May 2005
		First Named Inventor	BOTTER, Eduard Johannes
		Art Unit	2863
		Examiner Name	CHERRY, S.J.
Number of Pages in This Submission	5	Attorney Docket Number	INSTRO2

ENCLOSURES (check all that apply)

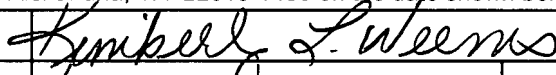
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard; Part B - Fee(s) Transmittal (Issue Fee) (1 Page); Check No. 409996 for \$1700.00; Submission of Issue & Publication Fees (2 Pages)
Remarks MAIL STOP ISSUE FEE First Class Mail Deposit Date: 28 JUNE 2007		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Troutman Sanders LLP		
Signature	/jameshunt yanceyjr53809/		
Printed Name	James Hunt Yancey, Jr.		
Date	28 June 2007	Reg. No.	53,809

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name	Kimberly L. Weems	Date	28 June 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTC to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Complete if Known

Application Number	10/533,748
Filing Date	4 May 2005
First Named Inventor	BOTTER, Eduard Johannes
Examiner Name	CHERRY, S.J.
Art Unit	2863
Attorney Docket No.	INSTRO2

Effective on 12/08/2004

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL
FOR FY 2007**☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$) **1700.00****METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account number: **20-1507** Deposit Account Name: **Troutman Sanders LLP**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s)☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Small Entity Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP = _____ x _____ = _____						

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP = _____ x _____ = _____			

HP = highest number of total claims paid for, if greater than 20

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee paid (\$)
- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): **Issue Fee (\$1700.00)****Fees Paid (\$)****\$1700.00****SUBMITTED BY**

Signature	/jameshuntancyjr53809/	Registration No. 53,809 (Attorney/Agent)	Telephone 404.885.3696
Name (Print/Type)	James Hunt Yancey, Jr.	Date	28 JUNE 2007

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENTS

Customer No.: 006980

Docket No.: INSTRO2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BOTTER, Eduard Johannes

Serial No.: 10/533,748

Filed: 4 MAY 2005

Title: ULTRASONIC SIGNAL PROCESSING
METHOD AND APPLICATIONS THEREOF

Group Art Unit: 2863

Examiner: CHERRY, S. J.

Confirmation No.: 7982

Atty. Docket: INSTRO2

In accordance with 37 C.F.R. § 1.8, I certify that this correspondence is being transmitted to the Commissioner for Patents, MAIL STOP ISSUE FEE, P.O. Box 1450, Alexandria, VA 22313 to the USPTO's via First Class Mail on 28 JUNE 2007.

/jameshuntvanceyjr53809/
James Hunt Yancey, Jr., USPTO Reg. No. 53,809

SUBMISSION OF ISSUE AND PUBLICATION FEES

Commissioner for Patents
Mail Stop ISSUE FEE
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Honorable Sir:

In response to the *Notice of Allowance*, mailed 5 April 2007, allowing Claims 17-32 in US Application No. 11/533,748, Applicant submits the following:

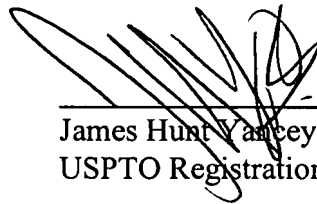
1. Transmittal Form (1 page);
2. Fee Transmittal Form (1 page);
3. Completed Form PTOL-85 (1 page);
4. Submission of Issue Fee And Publication Fees (2 pages); and
2. Check No. 409996 in the amount of \$1700.00.

Regarding the Examiner's comments on the Allowance of Claims 17-32, Applicant acknowledges the Examiner's comments. Applicant does not concede or admit, however, that the Examiner's comments are accurate or apply to all of the allowed claims, nor that the stated reasons are the only reasons for allowability of the Claims. *See Salazar v. Procter & Gamble Co.*, 414 F.3d 1342 (Fed. Cir. 2005).

Applicants do not believe any further fees are due. However, the Commissioner is authorized to debit Deposit Account No. 20-1507 if any additional fees are deemed due.

Respectfully submitted,

TROUTMAN SANDERS LLP



James Hunter Yancey, Jr.
USPTO Registration No. 53,809

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DATE: 28 JUNE 2007